

3. The process as defined in claim 2, wherein said formation of the barrier includes the step of: applying a waterproofing cover skin thereto through which the fire resisting agent is infused.

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4. The process as defined in claim 3, wherein said attaching of the barrier is performed by bonding thereof to the substrate.

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5. The process as defined in claim 4, wherein the barrier is an intumescent mat and the fire resisting agent is a phenolic resin.

6. The process as defined in claim 3, wherein the waterproofing cover skin is aluminum foil and said bonding involves application of a silicone adhesive between the barrier and the substrate.

7. The process as defined in claim 4, wherein the barrier is felt and the fire resisting agent is an intumescent coating.

8. The process as defined in claim 4, wherein the waterproofing cover skin is aluminum foil and said bonding involves application of a silicone adhesive between the barrier and the substrate.

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9. The process as defined in claim 1, wherein the barrier is an intumescent mat and the fire resisting agent is a phenolic resin.

10. The process as defined in claim 1, wherein said formation of the barrier includes the step of: applying a waterproofing cover skin thereto through which the fire resisting agent is infused before said attaching thereof to the substrate.

11. The process as defined in claim 10, wherein the waterproofing cover skin is aluminum foil and said bonding involves application of a silicone adhesive between the barrier and the substrate.

12. The process as defined in claim 1, wherein said attaching of the barrier is performed by bonding thereof to the substrate by application of an adhesive between the barrier and the substrate.

13. The process as defined in claim 1, wherein said attaching of the barrier is effected in response to said introducing of the fire resisting agent by infusion into the barrier during formation of the substrate.

14. The process as defined in claim 13, wherein said substrate is formed as a solid layer underlying the barrier attached thereto.

Kindly add the following claims:

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15. A process for protective fabrication of a composite structure by applying a barrier layer after formation thereof to an underlying substrate, the improvement residing in the steps of: introducing a fire resisting agent by in-situ infusion into the barrier layer after said formation thereof; and attaching the barrier layer with the fire resisting agent infused therein to the substrate before completing said fabrication of the composite structure.

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16. The process as defined in claim 15, wherein said step of attaching the barrier layer to the substrate is effected without use of adhesive by formation of the substrate during said in-situ infusion of the fire resisting agent into the barrier layer.